

DYNAMIC BRIGHTNESS RANGE FOR PORTABLE COMPUTER DISPLAYS
BASED ON AMBIENT CONDITIONS

ABSTRACT OF THE INVENTION

- 5 A portable computer system that comprises dynamically adjustable brightness range settings and brightness control for providing improved user readability and prolonged component lifetime of the display screen. The main processor can change the range settings based on ambient light conditions or the user can perform the changes. The brightness level of the display changes
10 according to a user selected setting within the range selected. The time required to implement the brightness change can be set to a value which can be configured by the user.